O. H. M. S.

W. J. Gerald

*Deputy Minister.*

# LABORATORY

OF THE

# INLAND REVENUE DEPARTMENT

## OTTAWA, CANADA

## BULLETIN No. 202.

Borax (Examination for Arsenic.)

14140—1

# LABORATORY

OF THE

# INLAND REVENUE DEPARTMENT

## OTTAWA, CANADA

---

## BULLETIN No. 202

---

## Borax (Examination for Arsenic.)

OTTAWA, March 17, 1910.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to hand you herewith a report upon the examination of 151 samples of Borax collected throughout Canada in December last.

The inspection has regard to the contamination of this article by arsenic. Borax is very largely employed as a preservative for meats, butter, and other articles of food and it is consequently of great importance that it should be free from arsenic, or other dangerous impurity. One hundred and thirty-five (135) samples are found to be entirely free from arsenic. The remaining sixteen (16) samples contain the following amounts of arsenic ($As_2O_3$) per 100 grammes; also stated as parts per million.

| No. of Sample. | Milligrammes per 100 grammes. | Parts per million. |
|---|---|---|
| 42670 | 1·0 | 10 |
| 36659 | 0·5 | 5 |
| 42844 | 0·5 | 5 |
| 30867 | 0·5 | 5 |
| 42673 | 0·5 | 5 |
| 42689 | 0·5 | 5 |
| 43606 | 0·5 | 5 |
| 41622 | 0·5 | 5 |
| 36660 | 0·4 | 4 |
| 41407 | 0·4 | 4 |
| 42691 | 0·4 | 4 |
| 41784 | 0·3 | 3 |
| 41777 | 0·2 | 2 |
| 39589 | 0·2 | 2 |
| 42681 | 0·2 | 2 |
| 41624 | 0·2 | 2 |

The effective dose of arsenic named by the British Pharmacopœia varies from 1 to 4 milligrammes. We possess no standard of purity for borax as regards arsenic, but it is safe to say that even the maximum amount found cannot be regarded as dangerous to health.

I have the honour to be, Sir,

Your obedient servant,

A. McGILL,

*Chief Analyst.*

# BULLETIN No. 202—BORAX—EXAMINATION FOR ARSENIC.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. Quantity. | Cost. Cents. | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion). | Results of Analysis. Arsenic per 100 Grams. | Results of Analysis. — | No. of Sample. |
|---|---|---|---|---|---|---|---|---|---|---|
| **DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.** | | | | | | | | | | |
| 1909. Dec. 6 | Borax | 41776 | Nat. Drug and Chem. Co., Halifax, N.S. | 1 lb. | 8 | Am. Alkali Co. | 20th Century crystals | None | | 41776 |
| " 8 | " | 41777 | C. E. Huggins, Halifax, N.S. | 1 " | 10 | Nat. Drug and Chem. Co., Halifax, N.S. | Crystals | 0·2 | Milligrams | 4177 |
| " 8 | " | 41778 | M. P. Caffrey, Halifax, N.S. | 1 " | 10 | " " | " | None | | 41778 |
| " 8 | " | 41779 | M. D. Logan, Halifax, N.S. | 1 " | 15 | " " | | " | | 41779 |
| " 8 | " | 41780 | Irwin & Sons, Halifax, N.S. | 1 " | 35 | E. Merck, Darmstadt, Germany. | C. P. powdered | " | | 41780 |
| " 8 | " | 41781 | J. St. C. Coombes, Halifax, N.S. | 1 " | 20 | Nat. Drug and Chem. Co., Halifax, N.S. | Powdered | " | | 41781 |
| " 10 | " | 41782 | Truro Drug Store, Truro, N.S. | 1 " | 15 | Black & Co., Truro, N.S. | | " | | 41782 |
| " 10 | " | 41783 | Black & Co., Truro, N.S. | 1 " | 8 | W. T. Cox, Montreal, P.Q. | | " | | 41783 |
| " 13 | " | 41784 | D. Day, Wolfville, N.S. | 1 " | 10 | Nat. Drug and Chem. Co., Halifax, N.S. | Powdered | 0·3 | Milligrams | 41784 |
| " 13 | " | 41785 | A. V. Rand, Wolfville, N.S. | 1 " | 15 | " " | Crystals | None | | 41785 |
| **DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.** | | | | | | | | | | |
| Dec. 7 | Borax | 38573 | A. A. McDonald, Souris | 1 lb. | 10 | Nat. Drug and Chem. Co., Halifax, N.S. | | None | | 38573 |
| " 7 | " | 38574 | J. C. Ferguson, Souris | 1 " | 15 | " " | | " | | 38574 |
| " 8 | " | 38575 | Johnson & Johnson, Charlottetown. | 1 " | 15 | Lymans, Ltd., Montreal | | " | | 38575 |
| " 8 | " | 38576 | A. W. Reddin, Charlottetown | 1 " | 15 | Lyman & Son, Montreal | | " | | 38576 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| " | 8 | " | 38575 | Johnson & Johnston, town. | 1 " | 15 | Lyman & Son, Montreal | | | | | |
| " | 8 | " | 38576 | A. W. Reddin, Charlottetown | 1 " | 15 | | | | | | |
| " | 9 | " | 38577 | Jardine & Bernard, Kensington. | 1 " | 15 | Can. Drug Co., Halifax, N.S. | | " | | 38577 |
| " | 9 | " | 38578 | Edgar Keir, Kensington | 1 " | 15 | " " | | " | | 38578 |
| " | 10 | " | 38579 | A. W. P. Gourlie, Summerside | 1 " | 15 | Lyman, Knox & Co., Montreal. | | " | | 39579 |
| " | 10 | " | 38580 | McFadyen & McLellan, Summerside. | 1 " | 15 | Can. Drug Co., St. John, N.B. | | " | | 38580 |
| " | 10 | " | 38581 | P. N. Enman, Summerside | 1 " | 15 | Nat. Drug Co., Halifax, N.S. | | " | | 38581 |
| " | 15 | " | 38582 | McDonald & McKinnon, Charlottetown. | 1 " | 15 | Lyman Sons & Co., Montreal | | " | | 38582 |

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dec. | 2 | Borax | 39588 | Nat. Drug and Chem. Co., Ltd., St. John, N.B. | 1 lb. | 10 | Borax Consolidated Co., Liverpool, Eng. | Powdered | None | | 39588 |
| " | 14 | " | 39589 | C. A. Burchill, Fredericton, N.B. | 1 " | 25 | Can. Drug Co., Ltd., St. John, N.B. | " | 0·2 | Milligrams | 39589 |
| " | 15 | " | 39590 | Johnston & Johnston, St. Stephen, N.B. | 1 " | 20 | Nat. Drug and Chem. Co., Ltd., St. John, N.B. | Crystals | None | | 39590 |
| " | 17 | " | 39591 | C. A. McKeen, Woodstock, N.B. | 1 " | 20 | The Can. Drug Co., St. John, N.B. | " | " | | 39591 |
| " | 20 | " | 39592 | R. W. L. Earle, M.D., Perth, N.B. | 1 " | 20 | Unknown | " | " | | 39592 |
| 1910. | | | | | | | | | | | |
| Jan. | 4 | " | 39593 | B. J. Sharp, Sussex, N. B | 1 " | 15 | Nat. Drug and Chem. Co., Ltd., St. John, N.B. | | " | | 39593 |
| " | 5 | " | 39594 | The Acadia Drug Co., Moncton, N.B. | 1 " | 25 | " " | | " | | 39594 |
| " | 6 | " | 39595 | T. J. Dwrick, Newcastle, N.B. | 1 " | 20 | " " | | " | | 39595 |
| " | 7 | " | 39596 | A. E. Shaw, Newcastle, N. B. | 1 " | 20 | " " | | " | | 39596 |
| " | 8 | " | 39597 | A. McG. McDonald, Campbelltown, N.B. | 1 " | 20 | " " | | " | | 39597 |
| " | 8 | " | 39639 | F. Wran, Campbellton, N.B. | 1 " | 15 | Lymans, Ltd., Montreal | | " | | 39639 |

DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. Dec. | 1 | Borax | 33657 | Orel Roy, St. Anselme | 1 lb. | 15 | Charle Audet, St. Anselme | | None | | 36657 |
| " | 1 | " | 33658 | Ludger Miguault, St. Anselme. | 1 " | 12 | Antoine Carier fils, Levis | | " | | 36658 |
| " | 1 | " | 33659 | Edmond Felteau, St. Anselme. | 1 " | 15 | Sultana Mgr., Montreal | | 0·5 | Milligrams | 36659 |

# BULLETIN No. 202—BORAX—EXAMINATION FOR ARSENIC.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. Quantity. | Cost. Cents. | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion.) | Results of Analysis. Arsenic per 100 Grams. | Results of Analysis. — | No. of Sample. |
|---|---|---|---|---|---|---|---|---|---|---|
| **DISTRICT OF QUEBEC—E. BELAND, INSPECTOR—*Concluded.*** | | | | | | | | | | |
| 1909. | | | | | | | | 0·4 | Milligrams.. | 36660 |
| Dec. 1 | Borax..... | 33660 | J. M. Ouillet, St. Anselme... | 1 lb.. | 15 | Carrier fils, Levis..... | ..... | None... | " ... | 36661 |
| " 1 | " ..... | 33661 | Urbain Roy, St. Anselme.... | 1 " .. | 15 | " ..... ... | ..... | " ... | " ... | 36662 |
| " 1 | " ..... | 33662 | J. B. Cadaret, St. Anselme.. | 1 " .. | 15 | Whitead & Turner, Quebec.. | ..... | " ... | " .... | 36663 |
| " 2 | " ..... | 33663 | C. E. Royer, St. Claire. .... | 1 " .. | 13 | Lemieux fils, Quebec .... | ..... | " ... | " .... | 36664 |
| " 4 | " ..... | 33664 | Venerand Allaire, St. Leon de Standon. | 1 " .. | 15 | Unknown..... | ..... | " .. | " .... | 36665 |
| " 4 | " ..... | 33665 | O. Gagnon, St. Leon de Standon. | 1 " .. | 30 | Dr. Ed. Morin, Quebec..... | ..... | " ... | " .... | 36666 |
| " 7 | " ..... | 33666 | William Bernard, St. Rose... | 1 " .. | 15 | Unknown. .. ..... | ..... | | | |
| **DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.** | | | | | | | | | | |
| Dec. 6 | Borax..... | 38849 | Alf. Plante, Sorel..... | 2 pkts. | 10 | Pugsley, Digman & Co., Toronto. | ..... | None... | ..... | 38849 |
| " 6 | " ..... | 38850 | R. Duguay & Cie, La Bai.... | 1 lb.. | 10 | Hudson & Orsali, Montreal.. | ..... | " ... | ..... | 38850 |
| " 7 | " ..... | 38851 | C. Langlois, Verchers.. .... | 1 " .. | 14 | L. Chaput fils & Cie, Montreal. | ..... | " .. | ..... | 38851 |
| " 9 | " ..... | 38852 | G. L. Elmes, Farnham..... | 2 pkgs | 14 | The R. Creig Co., Ltd., Toronto. | "White Swan"..... | " ... | ..... | 38852 |
| " 20 | " ..... | 38853 | A. McLean & Middle Bros., Danville. | 3 " . | 15 | Lymans Ltd., Montreal..... | ..... | " ... | ..... | 38853 |
| " 20 | " ..... | 38854 | H. Roux, Danville..... | 2 " . | 20 | The Alph. Chem. Co., Berlin | Moody's reliable powdered borax compound. | " ... | ..... | 38854* |
| " 20 | " ..... | 38855 | P. J. Girard, Richmond..... | 2 " . | 20 | The Pure Gold Mfg. Co., Toronto. | Guaranteed pure by manufacturer. | " ... | ..... | 38855 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| " | 20 | " | 38855 | P. J. Girard, Richmond | 2 " | 20 | The Pure Gold Mfg. Co., Toronto. | Guaranteed pure manufacturer. | | | |
| " | 21 | " | 38856 | Gosselin & Paradis, Magog | 1 lb | 10 | Hudon, Herbert & Cie, Montreal. | | " | | 38856 |
| " | 23 | " | 38857 | D. Gagnon, St. Hyacinthe | 3 pkgs | 15 | Pugsley, Dingman & Co., Ltd., Toronto. | | " | | 38857 |
| " | 23 | " | 38858 | P. Racine, St. Hyacinthe | 3 " | 15 | Bee Starch Co., Montreal | B. Brand 99 p.c. pure | " | | 38858 |

## DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dec. | 10 | Borax | 40361 | Dr. Gauthier, Valleyfield | 1 lb | 20 | Lymans, Ltd. | | None | | 40361 |
| " | 10 | " | 40362 | Dr. J. E. St. Onge, Valleyfield | 1 " | 25 | | | " | | 40362 |
| " | 10 | " | 40363 | J. E. H. Quipp, Windsor St., Montreal. | 1 " | 20 | | | " | | 40363 |
| " | 10 | " | 40364 | A. Lebeau, 549 St. James St., Montreal. | 3 pkts. | 40 | The Fielding Chem. Co., Ltd., Guelph, Ont. | | " | | 40364 |
| " | 16 | " | 40365 | Z. Gilbert, St. Jerome, P.Q. | 1 lb | 20 | Lyman, Knox Co., Ltd., Montreal. | | " | | 40365 |
| " | 16 | " | 40366 | Dr. Fournier, St. Jerome, P.Q | 1 " | 25 | Nat. Drug & Chem. Co. | | " | | 40366 |
| " | 21 | " | 40367 | James Fortune, Huntingdon, P.Q. | 3 pkts. | 30 | Nat. Drug & Chem. Co., Ltd | | " | | 40367 |
| " | 21 | " | 40368 | " " | 1 lb | 20 | | Crystals | " | | 40368 |
| 1910. | | | | | | | | | | | |
| Jan. | 10 | " | 40369 | M. Albert, 971 St. Lawrence B., Montreal. | 1 " | 15 | Unknown | | " | | 40369 |
| " | 10 | " | 40370 | Lanctot & Brault, 820 St. Lawrence B., Montreal. | 1 " | 15 | A. Filion, Montreal | | " | | 40370 |

## DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | | | | | | | | |
| Dec. | 3 | Borax | 42836 | N. W. Campbell, Ottawa | 1 lb | 20 | Ottawa Drug Co., Ottawa. | "Powdered | None | | 42836 |
| " | 3 | " | 42837 | J. S. Brown, Ottawa | 1 " | 20 | Nat. Drug & Chem. Co., Ltd., Ottawa. | " | " | | 42837 |
| " | 3 | " | 42838 | W. W. Gibson, Ottawa | 1 " | 20 | Unknown | Crystals | " | | 42838 |
| " | 4 | " | 42839 | G. F. Brethour, Ottawa | 1 " | 20 | Nat. Drug & Chem. Co., Ltd., Ottawa. | " | " | | 42839 |
| " | 6 | " | 42840 | F. W. Day, Ottawa | 1 " | 20 | Lymans, Ltd., Montreal | Powdered | " | | 42840 |
| " | 11 | " | 42841 | G. E. Moore, Carleton Place | 1 " | 20 | Nat. Drug & Chem. Co., Ltd., Ottawa. | Crystals | " | | 42841 |
| " | 14 | " | 42842 | A. D. Maclennan, Kemptville | 1 " | 20 | Lyman Sons & Co., Montreal | Powdered | " | | 42842 |

Contains Carbonate of Soda.

## BULLETIN No. 202—BORAX—EXAMINATION FOR ARSENIC.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. Quantity. | Cost. Cents. | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report (Is not an expression of opinion). | Results of Analysis. Arsenic per 100 Grams. | Results of Analysis. — | No. of Sample. |
|---|---|---|---|---|---|---|---|---|---|---|
| **DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR—*Concluded.*** | | | | | | | | | | |
| 1909. | | | | | | | | | | |
| Dec. 15 | Borax | 42843 | C. H. Lewis, Ottawa | 1 lb. | 12 | Nat. Drug & Chem. Co., Ltd., Ottawa. | Crystals | None | | 42843 |
| " 16 | " | 42844 | J. A. Johnston, Smiths Falls. | 1 " | 20 | Unknown | Powdered | 0·5 | Milligrams | 42844 |
| " 17 | " | 42845 | G. A. Aikin, Finch | 1 " | 15 | Nat. Drug & Chem. Co., Ltd., Ottawa. | Crystals | None | | 42845 |
| **DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.** | | | | | | | | | | |
| Nov. 29 | Borax | 42752 | Nat. Drug Co., Kingston | 1 lb. | 10 | Unknown | | None | | 42752 |
| " 29 | " | 42753 | A. P. Chown, Kingston | 1 " | 15 | H. Skinner Co., Kingston | | " | | 42753 |
| " 29 | " | 42754 | C. S. Prouse, Kingston. | 1 " | 20 | Unknown | | " | | 42754 |
| " 29 | " | 42755 | G. Mahood, Kingston | 1 " | 15 | Nat. Drug Co. | | " | | 42755 |
| " 29 | " | 42756 | T. L. Best, Kingston | 1 " | 20 | Unknown | | " | | 42756 |
| Dec. 1 | " | 42757 | D. Bleeker, Belleville | 1 " | 15 | " | | " | | 42757 |
| " 1 | " | 42758 | W. H. A. Semple, Cobourg | 1 " | 15 | E. G. West, Toronto | | " | | 42758 |
| " 1 | " | 42759 | H. Mitchell, Port Hope | 1 " | 15 | Lyman, Montreal | | " | | 42759 |
| " 2 | " | 42760 | W. Madill, Peterboro | 1 " | 15 | Unknown | | " | | 42760 |
| " 2 | " | 42761 | Nugent Drug Co., Peterboro. | 1 " | 15 | Drug Trading Co., Toronto | | " | | 42761 |

## DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dec. | 1 | Borax | 41401 | H. Poehlman, Collingwood | 1 lb. | 10 | Young Winfield, Ltd., Hamilton. | Labelled Young's Improved pure Borax. | None. | | 41401 |
| " | 2 | " | 41402 | J. H. Brown, Thornbury | 1 " | 10 | McLaren's, Ltd., Hamilton | McLaren's invincible quality Borax the highest grade obtainable. | " | | 41402 |
| " | 2 | " | 41403 | Geo. Dyce & Co., Meaford | 1 " | 10 | The F. F. Dalley Co., Ltd., Hamilton. | Dalley's Chemically pure borax. | " | | 41403 |
| " | 3 | " | 41404 | W. J. Ward, Owen Sound | 1 " | 10 | Canada Spice & Grocery Co., Ltd., London, Ont. | "Crest" brand | " | | 41404 |
| " | 6 | " | 41505 | The Hennessey Drug Stores, Ltd., Hamilton. | 1 " | 10 | The Nat. Drug & Chem. Co., Ltd., Hamilton. | | " | | 41405 |
| " | 7 | " | 41406 | Reliable Drug Stores, Dunville | 1 " | 15 | The Nat. Drug & Chem. Co., Ltd., Hamilton. | | " | | 41406 |
| " | 7 | " | 41407 | F. J. Brown, Port Colborne | 1 " | 15 | The Dom. Drug Co., Ltd., Hamilton. | | 0·4 | Milligrams | 41407 |
| " | 7 | " | 41408 | Chas. Collins, Welland | 1 " | 20 | The Lyman Bros. Co., Ltd., Toronto. | | None | | 41408 |
| " | 20 | " | 41409 | W. F. Cantelon, Toronto | 1 " | 10 | Drug Trading Co., Ltd., Toronto. | | " | | 41409 |
| " | 20 | " | 41410 | J. W. Struthers, Toronto | 1 " | 15 | Drug Trading Co., Ltd., Toronto. | | " | | 41410 |

## DISTRICT OF LONDON—T. KIDD, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dec. | 6 | Borax | 30867 | J. Burgardos, Guelph | 1 lb. | 20 | Nat. Drug. Co., Toronto. | | 0·5 | Milligrams | 30867 |
| " | 6 | " | 30869 | Beattie & Co., Guelph | 3 pks. | 15 | Winer & Co., Hamilton | | None. | | 30869 |
| " | 7 | " | 30873 | Mr. Petrie, Guelph | 3 " | 15 | McArthur Cornell & Co., Montreal. | | " | | 30873 |
| " | 8 | " | 30878 | Roose Pharmacy, Berlin | 1 lb. | 20 | Unknown | | " | | 30878 |
| " | 9 | " | 30879 | J. A. Monteth & Co., Stratford | 3 pks. | 30 | McLaren's, Hamilton | | " | | 30879 |
| " | 9 | " | 30880 | Barnsdale & Co., Stratford. | 3 " | 15 | Canada Spice & Grocery Co., London, Ont. | | " | | 30880 |
| " | 9 | " | 30884 | McCulla & Hank, Stratford | ¾ lb. | 15 | F. F. Dalley Co., Hamilton. | | " | | 30884 |
| " | 11 | " | 30890 | Mathew Williams, Seaforth | 3 pks. | 15 | Lyon Spice Co., London | | " | | 30890 |
| " | 11 | " | 30891 | Chas. Aberhart, Seaforth | 1 lb. | 20 | Lyman Bros., Toronto. | | " | | 30891 |
| " | 16 | " | 44703 | Michael Klinghamer, Dublin | ¾ " | 15 | Gorman & Eckart, London | | " | | 44703 |

# BULLETIN No. 202—BORAX—EXAMINATION FOR ARSENIC.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. Quantity. | Cost. Cents. | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion). | Results of Analysis. Arsenic per 100 Grams. | Results of Analysis. — | No. of Sample. |
|---|---|---|---|---|---|---|---|---|---|---|
| **DISTRICT OF WINDSOR—JNO. TALBOT, INSPECTOR.** | | | | | | | | | | |
| 1909. | | | | | | | | | | |
| Dec. 6 | Borax | 42656 | J. E. Richards & Co., Aylmer, Ont. | 1 lb. | 20 | Nat. Drug Co., Hamilton | | None | | 42656 |
| " 6 | " | 42657 | Ern. A. Campbell, Aylmer, Ont. | 1 " | 20 | Saunderson & Percy, Toronto | | " | | 42657 |
| " 6 | " | 42661 | McDonald's Drug Store, Tillsonburg. | 1 " | 20 | Nat. Drug Co | | " | | 42661 |
| " 8 | " | 42670 | J. Austin & Co., Simcoe | 1 " | 15 | Nat. Drug Co., Hamilton | | 1·0 Milligrams | | 42670 |
| " 8 | " | 42673 | E. H. Jackson, Simcoe | 1 " | 20 | Unknown | | 0·5 " | | 42673 |
| " 9 | " | 42676 | H. E. Perrott, Brantford | 1 " | 10 | " | | None | | 42676 |
| " 9 | " | 42681 | Milton H. Robertson, Brantford. | 1 " | 15 | G. Foster & Son, Brantford | | 0·2 Milligrams | | 42681 |
| " 10 | " | 42689 | W. R. Venning, London | 1 " | 20 | Nat. Drug. Co., London | | 0·5 " | | 42689 |
| " 10 | " | 42690 | T. N. Sunner, London | 1 " | 15 | " " | | None | | 42690 |
| " 10 | " | 42691 | Anderson & Nelles, London | 1 " | 20 | " " | | 0·4 Milligrams | | 42691 |
| **DISTRICT OF MANITOBA—A. C. LARIVIERE, INSPECTOR.** | | | | | | | | | | |
| Dec. 21 | Borax | 39841 | T. T. Malcolm, Dauphin | 1 lb. | 20 | Martin Bole Wynne Co., Winnipeg. | | None | | 39841 |
| " 21 | " | 39842 | The Red Cross Pharmacy, Dauphin. | 1 " | 20 | Unknown | | " | | 39842 |
| " 21 | " | 39843 | W. H. Morrison, Dauphin | 1 " | 15 | The Bole Drug Co., Winnipeg | | " | | 39843 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| " | 22 | " | 39844 | The Lincoln Park Drug Co., Winnipeg. | 1 " | 15 | Unknown | | " | | 39844 |
| " | 22 | " | 39845 | Gillespie & Campbell, Winnipeg. | 1 " | 25 | " | | " | | 39845 |
| " | 23 | " | 39846 | Gibbs Drug Store, Selkirk | 1 " | 15 | Winer & Co., Hamilton | | " | | 39846 |
| " | 23 | " | 39847 | R. H. Gilhuly, Selkirk | 1 " | 15 | Unknown | | " | | 39847 |
| " | 28 | " | 39848 | S. S. Smith, Souris | 1 " | 15 | " | | " | | 39848 |
| " | 28 | " | 32849 | The Morton Drug Co., Souris. | 1 " | 20 | The Bole Drug Co., Winnipeg | | " | | 39849 |
| " | 29 | " | 39850 | D. E. Clements Drug Store, Brandon. | 1 " | 20 | Unknown | | " | | 39850 |

## DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dec. | 10 | Borax | 43601 | B. F. Souch, Medicine Hat | 1 lb. | 20 | Nat. Drug and Chem. Co., Hamilton. | | None | | 43601 |
| " | 10 | " | 43602 | E. M. Cawker, Medicine Hat | 1 " | 25 | Unknown | | " | | 43602 |
| " | 11 | " | 43603 | C. S. Pringle, Medicine Hat | 1 " | 20 | Lyman & Sons, Montreal | | " | | 43603 |
| " | 16 | " | 43604 | McCutcheon & McGill, Calgary. | 1 " | 20 | Martin Bole Wynne, Winnipeg. | | " | | 43604 |
| " | 16 | " | 43605 | C. A. Wallace, Calgary | 1 " | 20 | Unknown | | " | | 43605 |
| " | 30 | " | 43606 | Higinbotham & Co., Lethbridge. | 1 " | 20 | " | | 0·5 | Milligrams | 43606 |
| " | 30 | " | 43607 | Alberta Drug and Bk. Co., Lethbridge. | 1 " | 20 | " | | None | | 43607 |
| 1910. | | | | | | | | | | | |
| Jan. | 4 | " | 43608 | D. W. MacDonald Drug Co., Edmonton. | 1 " | 20 | " | | " | | 43608 |
| " | 4 | " | 43609 | C. H. Graydon Drug Store, Edmonton. | 1 " | 20 | Lyman's, Ltd., Montreal | | " | | 43609 |
| " | 4 | " | 43610 | A. Archibald, Edmonton | 1 " | 20 | " " | | " | | 43610 |

## DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | | | | | | | | |
| Dec. | 8 | Borax | 37768 | McDowell Atkins Watson Co., Vancouver. | 1 lb | 25 | Henderson Bros., Vancouver. | | None | | 37768 |
| " | 8 | " | 37769 | Red Raven Drug Store, Vancouver. | 1 " | 35 | " " | | " | | 37769 |

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. Quantity. | Cost. Cents. | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion). | Results of Analysis. Arsenic per 100 Grams. | Results of Analysis. — | No. of Sample. |
|---|---|---|---|---|---|---|---|---|---|---|
| **DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR—*Concluded.*** | | | | | | | | | | |
| 1909. | | | | | | | | | | |
| Dec. 8 | Borax | 37770 | Nelson's Drug Store, Vancouver. | 1 lb | 25 | Handerson Bros., Vancouver | | None | | 37770 |
| " 8 | " | 37771 | W. E. Law, Vancouver | 1 " | 25 | " " | | " | | 37771 |
| " 8 | " | 37772 | W. Ferguson & Co., Vancouver | 1 " | 30 | " " | | " | | 37772 |
| " 8 | " | 37773 | McDuffie Bros., Vancouver | 1 " | 25 | " " | | " | | 37773 |
| " 8 | " | 37774 | Red Cross Drug Store, Vancouver. | 1 " | 35 | " " | | " | | 37774 |
| " 8 | " | 37775 | Henderson Bros., Ltd., Vancouver. | 1 " | 15 | " " | | " | | 37775 |
| " 8 | " | 37776 | W. E. Law, Vancouver | 1 " | 20 | " " | | " | | 37776 |
| " 8 | " | 37777 | E. Shoff, Vancouver | 1 " | 20 | " " | | " | | 37777 |
| **DISTRICT OF VICTORIA—D. O'SULLIVAN, INSPECTOR.** | | | | | | | | | | |
| Dec 17 | Borax | 41619 | Wm. Jackson & Co., Victoria, B.C. | 1 lb | 25 | Henderson Bros., Ltd., Victoria, B.C. | | None | | 41619 |
| " 17 | " | 41620 | D. E. Campbell, Victoria, B.C. | 1 " | 25 | Lyman's, Ltd., Montreal | | " | | 41620 |
| " 17 | " | 41621 | W. S. Terry, Victoria, B.C. | 1 " | 25 | " " | Pure powdered borax | " | | 41621 |
| " 17 | " | 41622 | Hall & Co., Victoria, B.C | 1 " | 25 | Henderson Bros., Ltd., Victoria, B.C. | | 0·5 | Milligrams | 41622 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| " | 17 | " | ..... | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| " | 20 | " | ..... | 41623 | Cyrus H. Bower, Victoria, B.C. | 1 " .. | 25 | Lyman & Sons, Ltd., Montreal. | .... ..... | None..... | 41623 |
| " | 20 | " | ..... | 41624 | B. C. Drug Co., Ltd., Victoria, B.C. | 1 " .. | 25 | Henderson Bros., Ltd., Victoria, B.C. | .... ..... | 0·2 Milligrams... | 41624 |
| " | 20 | " | ..... | 41625 | Dean & Hiscocks, Victoria, B.C. | 1 " .. | 25 | " " .. | ..... | None..... | 41625 |
| " | 20 | " | ..... | 41626 | F. J. Williams, Victoria, B.C. | 1 " .. | 25 | " " .. | ..... | " ..... | 4162 |
| " | 20 | " | ..... | 41627 | Thos. Shotbolt, Victoria, B.C. | 1 " .. | 25 | Lyman's, Ltd., Montreal.... | ..... | " ..... | 41627 |
| " | 20 | " | ..... | 41628 | Henderson Bros., Ltd., Victoria, B.C. | 1 " .. | 25 | Henderson Bros., Ltd., Victoria, B.C. | ..... | " ..... | 41628 |